Abstract

AGGREGATION DEVICES PROCESSING KEEP-ALIVE MESSAGES
OF POINT-TO-POINT SESSIONS

Several keep-alive messages of point to point (PPP) sessions received from a remote

5   system are aggregated into a single packet in an aggregation device (e.g., network access

server). The aggregated packet is sent to a peer aggregation device (e.g., home gateway) at

the other end of the PPP session. The peer aggregation device may send the status of the

sessions in a single packet. As a result, the data traffic on a communication backbone due

to keep-alive status checks may be reduced. Without waiting for the peer aggregation device

10   to provide the status information, a proxy reply may be generated from the aggregation

device.